

1 Abstract

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3 The invention relates to a method and an apparatus
4 for use in surveying boreholes. The method of the
5 invention comprises the following steps: providing
6 an instrument package in a leading end of a
7 drillstring, the instrument package comprising first
8 and second single-axis sensors mounted for rotation
9 with the drillstring about the rotational axis of
10 the drillstring, the first sensor being an
11 accelerometer and the second sensor being a magnetic
12 fluxgate or a rate gyro; rotating the drillstring;
13 deriving from the first sensor the inclination angle
14 of the drillstring at the instrument package; and
15 deriving from the second sensor the azimuth angle of
16 the drillstring at the instrument package.

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18 Fig. 1